

L Number	Hits	Search Text	DB	Time stamp
-	4	brush same holder and insulat\$ and semiconductor and heat and expansion and thermal\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/16 14:06
-	1	(VANDENBOSSCHE near1 MATHIEu).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/15 18:28
-	181	brush same holder and insulat\$ and heat and thermal\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/15 18:30
-	2	("5949175").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/16 15:08
-	2	("5686780").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/15 18:33
-	8	((("4538169") or ("5536972") or ("5675205"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/16 14:06
-	3	5949175.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/16 14:49
-	56	("0441256" "0585746" "0661228" "1273647" "2822487" "3028515" "3123732" "3436576" "4266155" "4329612" "4340832" "4359656" "4366404" "4371803" "4458378" "5055728" "5262694" "5315199" "5343106" "5608280").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/16 14:50
-	1	ca-1146208-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/16 15:09
-	0	5675205.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 10:55

-	26	("3538362" "4359656" "4504752" "4673837" "4963779" "5245241" "5248910" "5319277" "5453646" "5528093").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 11:37
-	3	("5536972").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 12:35
-	9	5536972.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 11:37
-	2	"5291065".PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 11:40
-	5546	("310/52-65").CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 12:35
-	88	((("310/52-65").CCLS.) and brush adj holder	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 13:59
-	0	6229242.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 12:52
-	20	("1469720" "2275613" "3127533" "4785214" "4990811" "5397952" "5495134" "5949175").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 12:53
-	10	((("310/52-65").CCLS.) and brush adj holder) and expansion	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 14:26
-	26	((("310/52-65").CCLS.) and brush adj holder) and thermal	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 14:26

-	21	((("310/52-65").CCLS.) and brush adj holder) and thermal not expansion	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 14:26
-	2	ep-731550-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 15:16
-	2	310/\$.ccls. and (inner adj sleeve) and (outer adj core)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 15:30
-	45	310/\$.ccls. and (inner adj sleeve) and (outer adj sleeve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/17 15:30

Patent Number: 5949175

Title: Brush holder for electric motor

Classification: 310/239 310/64

Issue Date: 19990907

Inventor: Cummins, Craig Richard
Manton MI

Assignee: REXAIR, INC.

Assignee Code: 473195 ; Assignment Type Code: 2

Application No.: 9019015 ; Filing Date: 19980205

USAPat Volume: US_99_36D

Document Type: Utility

Abstract: A brush holder assembly having a housing die cast from zinc which includes a plurality of integrally formed heat-sinking fins and an integrally formed mounting wall. The heat-sinking fins permit the housing of the brush holder assembly to dissipate heat generated during operation of a motor to which the brush holder assembly is secured. The integrally formed mounting wall enables the entire brush holder assembly to be quickly and easily secured to a housing of a motor. The heat-sinking fins further help to prolong the life of the brush housed within the brush holder assembly.
